Joseph Botros

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EDUCATION

University of Texas at Dallas — Dec. 2027
Computer Science, Bachelor's of Science — *Dallas, TX*

EXPERIENCE

Data Analysis Researcher — Oct. 2024 – Present
LIVE Lab, Texas A&M University — *College Station, TX*

- Conducted in-depth observations and reported on the evolution of educational video games (EVGs), assessing trends in both quantity and quality over time
- Analyzed data from 1,545 EVGs developed by 75 publishers, identifying recurring themes, design patterns, and industry trends influencing educational effectiveness
- Documented key findings, insights, and conclusions in a formal research report

Pharmacy Technician Trainee Externship — Sep. 2022 – Mar. 2023
Walgreens — *Keller, TX*

- Operated pharmacy management system to process prescriptions and manage patient data
- Filled, organized, and dispensed patient prescriptions
- Managed and processed pharmaceutical shipments into store inventory

PROJECTS

Prophetic Vision Stock Picker | *C++* — Sep. 2024 – Dec. 2024

- Developed tools for financial analysis, utilizing company financial statements (10-K, 10-Q) to build a database to search functionality and the calculation of key statistics such as EBITDA
- Implemented stock valuation tools by programming popular valuation methods, using references from industry-standard books and websites to support security analysis
- Conducted statistical analysis on stock data, including linear modeling for return prediction
- Designed user interface options using a command-line interface

Student Database | *C, VS Code* — Mar. 2024 – April 2024

- Prompted users to search a file for a student's name, a major, a University Identification Number (UIN), or an academic year
- Processed data structure into lists of the student name, major, UIN, and academic year
- Implemented a merge sorting algorithm to alphabetically organize students by last name
- Optimized data output for user-friendly readability

TECHNICAL SKILLS

Languages: Python, C/C++, HTML/CSS, JavaScript
Developer Tools: Git, VS Code, PyCharm
Libraries/Frameworks: pandas, NumPy, Matplotlib, Seaborn, scikit-learn, PyTorch, Bootstrap